

In the abstract:

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--ABSTRACT

The present invention relates to grinding apparatus for  
grinding the hard metal inserts of rock drill bits, said  
grinding apparatus having a grinding machine carried on an  
10 support system that provides a feed pressure for said grinding  
machine during grinding, said grinding machine equipped with a  
grinding pin driven by motor to rotate about its longitudinal  
axis wherein the grinding cup is rotated at variable speeds  
and the support system provides a variable feed pressure.--